

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).
2. (currently amended): A servo write head assembly comprising:
 - a DC demagnetizing head that slides in contact with a magnetic tape that is running, and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal directions thereof;
 - a servo write head that is provided at a downstream side of a magnetic tape travel direction of said DC demagnetizing head, slides in contact with said magnetic tape that is running, magnetizes said servo band in a reverse direction, and writes a servo signal; and
 - a guide for regulating a movement in lateral directions of said magnetic tape that is running; and
 - a disc spring for pushing said guide in lateral directions of said magnetic tape,wherein said DC demagnetizing head and said servo write head are integrally configured, and said guide is provided between said DC demagnetizing head and said servo write head, and one end of the disc spring is attached to said guide, and the other end of said disc spring is attached to a support member for connecting said DC demagnetizing head and said servo write head so as to be integrally configured.

3. (canceled).

4. (currently amended): A servo writer comprising:

a magnetic tape running system that sends a magnetic tape out of a supply reel, and winds the magnetic tape with a winder, thereby running the magnetic tape;

a DC demagnetizing head that slides in contact with said magnetic tape that is running, and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal directions;

a servo write head that is provided at a downstream side of a magnetic tape travel direction of said DC demagnetizing head, slides in contact with said magnetic tape that is running, magnetizes said servo band in a reverse direction, and writes a servo signal; and

a guide for regulating movement in lateral directions of said magnetic tape that is running; and

a disc spring for pushing said guide in lateral directions of said magnetic tape,

wherein said DC demagnetizing head and said servo write head are integrally configured, and said guide is provide between said DC demagnetizing head and said servo write head, and

one end of the disc spring is attached to said guide, and the other end of said disc spring is attached to a shaft member provided at an upstream side of a magnetic tape travel direction of said DC demagnetizing head.

5. (canceled).

6. (original): A servo write head assembly according to claim 2, wherein said guide is comprised of a roller portion and a flange formed in said roller portion, wherein said roller portion hold down a surface of said magnetic tape with circumferential surfaces thereof, and wherein said flange holds down side edges of said magnetic tape that is running.

7. (canceled).

8. (original): A servo writer according to claim 4, wherein said guide is comprised of a roller portion and a flange formed in said roller portion, wherein said roller portion hold down a surface of said magnetic tape at a circumferential surface thereof, and wherein said flange holds down side edges of said magnetic tape that is running.

9. (canceled).

10. (canceled).

11. (canceled).

12. (canceled).

13. (canceled).

14. (currently amended): A servo writer according to claim 4, further comprising:
a magnetic tape running system that sends a magnetic tape out of a supply reel, and winds
the magnetic tape with a winder, thereby running the magnetic tape;
a DC demagnetizing head that slides in contact with said magnetic tape that is running,
and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal
directions;
a servo write head that is provided at a downstream side of a magnetic tape travel
direction of said DC demagnetizing head, slides in contact with said magnetic tape that is
running, magnetizes said servo band in a reverse direction, and writes a servo signal; and
a guide for regulating movement in lateral directions of said magnetic tape that is
running,; and
a disc spring for pushing said guide in lateral directions of said magnetic tape,
wherein said DC demagnetizing head and said servo write head are integrally configured,
and said guide is provide between said DC demagnetizing head and said servo write head, and
one end of the disc spring is attached to said guide, and the other end of said disc spring
is attached to a shaft member provided at a downstream side of a magnetic tape travel direction
of said DC demagnetizing head.

15. (canceled).

16. (currently amended): A servo write head assembly according to claim 2,
comprising:

a DC demagnetizing head that slides in contact with a magnetic tape that is running, and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal directions thereof;

a servo write head that is provided at a downstream side of a magnetic tape travel direction of said DC demagnetizing head, slides in contact with said magnetic tape that is running, magnetizes said servo band in a reverse direction, and writes a servo signal; and

a guide for regulating a movement in lateral directions of said magnetic tape that is running,

wherein said DC demagnetizing head and said servo write head are integrally configured, and said guide is provided between said DC demagnetizing head and said servo write head, and

wherein said guide pushes both side edges of said magnetic tape oscillating in lateral directions with an energizing force of 0.490×10^{-2} to 7.84×10^{-2} N.

17. (canceled).

18. (currently amended): A servo writer ~~according to claim 4, wherein comprising:~~
a magnetic tape running system that sends a magnetic tape out of a supply reel, and winds the magnetic tape with a winder, thereby running the magnetic tape;

a DC demagnetizing head that slides in contact with said magnetic tape that is running, and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal directions;

a servo write head that is provided at a downstream side of a magnetic tape travel direction of said DC demagnetizing head, slides in contact with said magnetic tape that is running, magnetizes said servo band in a reverse direction, and writes a servo signal; and

a guide for regulating a movement in lateral directions of said magnetic tape that is running,

wherein said DC demagnetizing head and said servo write head are integrally configured, and said guide is provided between said DC demagnetizing head and said servo write head, and

said guide pushes both side edges of said magnetic tape oscillating in lateral directions with an energizing force of 0.490×10^{-2} to 7.84×10^{-2} N.

19. (canceled).

20. (currently amended): A servo writer ~~according to claim 4, wherein~~ comprising:
a magnetic tape running system that sends a magnetic tape out of a supply reel, and winds the magnetic tape with a winder, thereby running the magnetic tape;

a DC demagnetizing head that slides in contact with said magnetic tape that is running, and magnetizes at least a servo band of the magnetic tape in one direction of longitudinal directions;

a servo write head that is provided at a downstream side of a magnetic tape travel direction of said DC demagnetizing head, slides in contact with said magnetic tape that is running, magnetizes said servo band in a reverse direction, and writes a servo signal; and

a guide for regulating a movement in lateral directions of said magnetic tape that is running,

wherein said DC demagnetizing head and said servo write head are integrally configured, and said guide is provided between said DC demagnetizing head and said servo write head, and

said guide pushes both side edges of said magnetic tape oscillating in lateral directions with an energizing force of 0.490×10^{-2} to 3.92×10^{-2} N.

21. (previously presented): The servo write head assembly according to Claim 2, further comprising a support member for connecting said DC demagnetizing head and said servo write head so as to be integrally configured.

22. (previously presented): The servo writer according to Claim 4, further comprising a support member for connecting said DC demagnetizing head and said servo write head so as to be integrally configured.

23. (previously presented): A servo write head assembly according to claim 2, wherein said guide comprises a first guide disposed on one side in lateral directions of the magnetic tape and a second guide disposed on the other side in lateral directions of the magnetic tape, and the magnetic tape is held from both lateral sides by first and second guides.

24. (previously presented): A servo write head assembly according to claim 6, wherein said guide comprises a first guide disposed on one side in lateral directions of the

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLN. NO.: 10/814,638

ATTY. DOCKET NO.: Q80668

magnetic tape and a second guide disposed on the other side in lateral directions of the magnetic tape, and the magnetic tape is held from both lateral sides by first and second guides.